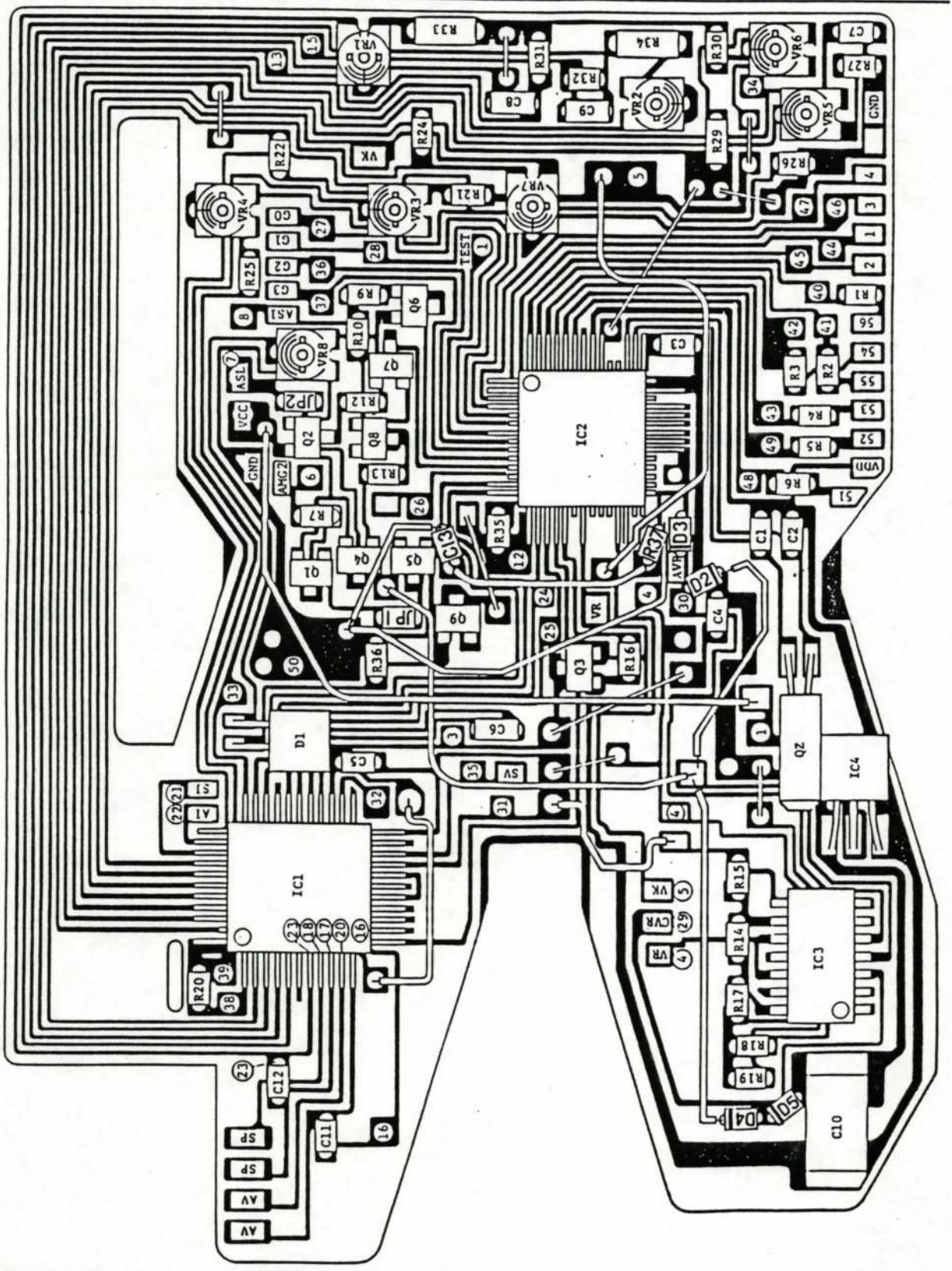

IC1
IC2
IC3
IC4
Q2
D1
C10
VR1
VR2
VR3
VR4
VR6
VR7
VR8
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
C1
C2
C3
C4
C5
C6
C8
C9
C11
C12
C13
R2
R3
R4
R5
R6
R7
R9
R10
R12
R13
R14
R15
R16
R17
R18
R19
R20
R21
R22
R24
R25
R26
R27
R29
R30
R31
R32
R33
R34
R35
R36
D2
D3
D4
D5
JP1
JP2
TEST
VCC
GND
VDD
VK
VR
SV
AVR
ASL
AMC2
SP
AV

Remarks

M645 SUPER	4	AE PRISM FINDER
	7	TECHNICAL BULLETIN

	IMPROVEMENT OF CIRCUIT BOARD	1/1	124	2

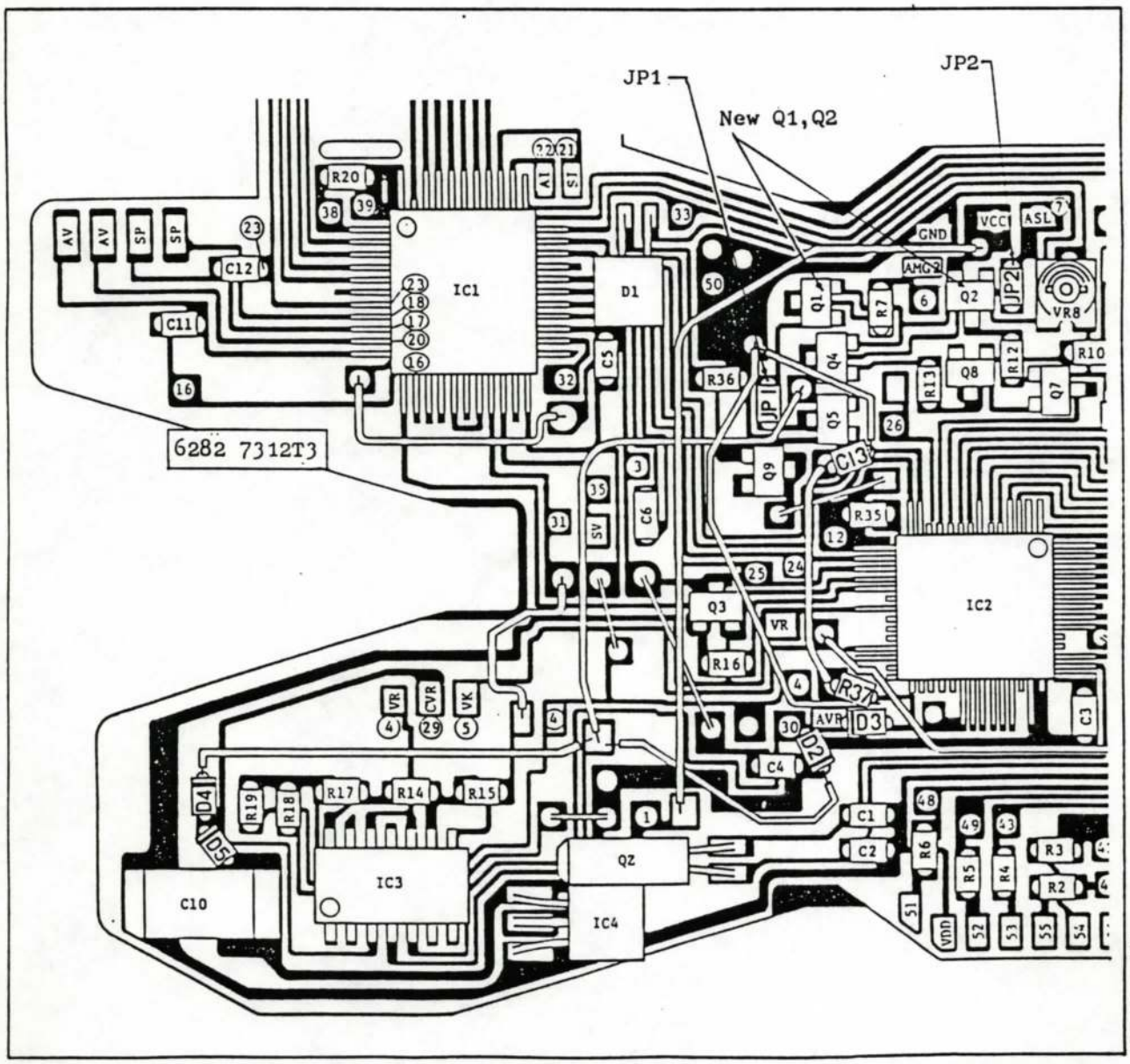
OUR REF.NO. 052

Phenomenon : When attaching or removing the AE finder, Mirror is stays at upper position.

Modification : 1) Type of Q1 and Q2 transistors : Changed.

2) Remove the R8 and R11 resistor and replace with JP1,JP2 Jumper tip.
P/NO. 6282 7312T3 F.P.C Board.

Modification Date : Since 1987 OCtober Production.



Mamiya HK

Remarks

12	OCT	87

M645 SUPER	4	AE PRISM FINDER
	7	TECHNICAL BULLETIN

	IMPROVEMENT OF CIRCUIT BOARD	1/1	124	1

OUR REF.NO. 049

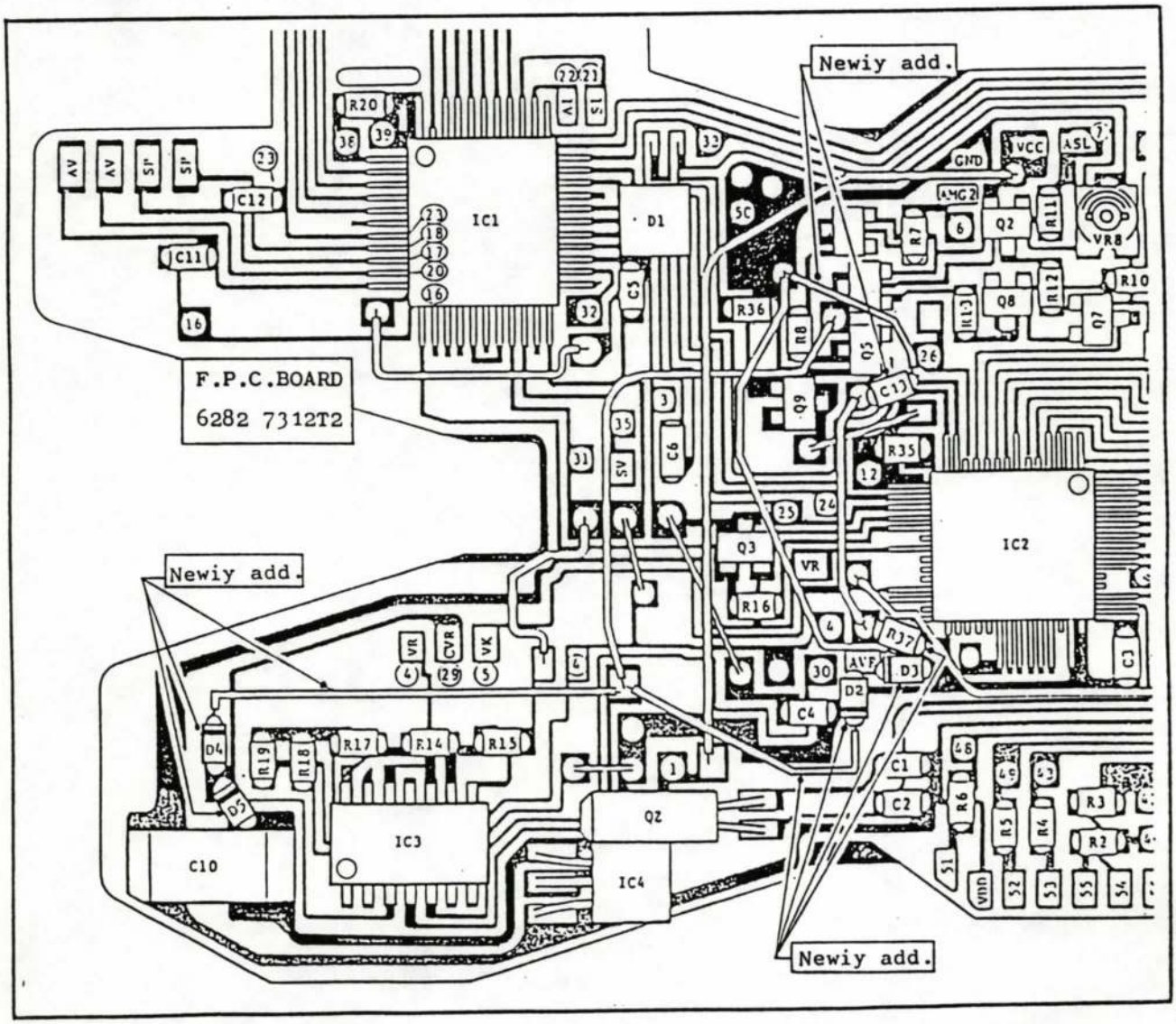
Phenomenon : LED Display is illuminated at " OVER ".

Cause : IC 3 - Defective by static electricity.

Modification : Additional diode (D2~D5), resistor (R37) and capacitor (C13).

: P/NO.	6282 7312T2	F.P.C.Board.
	6282 73141	Diode (D2~D5).
	6282 73151	Resistor (R37).
	6282 73161	Capacitor (C13).
	6282 73131	IC 3.

Modification Date : Since 1987 June Production.



Mamiya HK

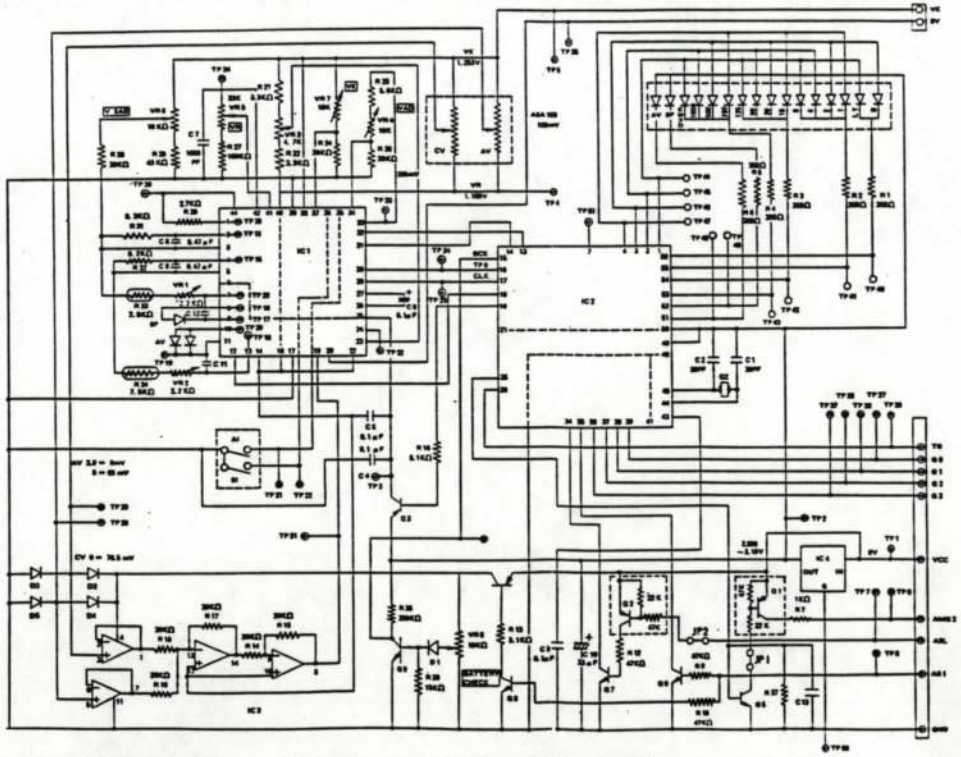
Remarks

20 JUL 87

M645 SUPER	4	AE PRISM FINDER
	5	OTHERS

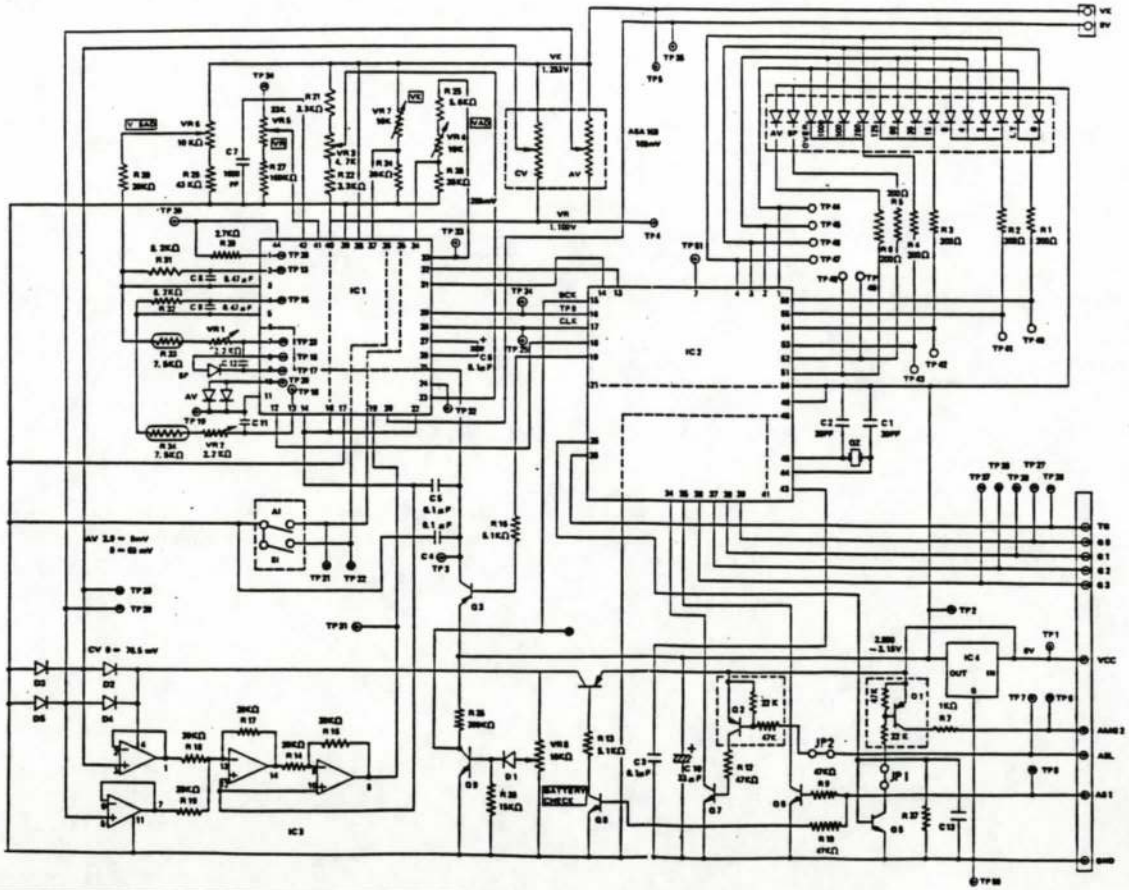
3	WIRING DIAGRAM	2/3	124	B

Notation	Rating	Notation	Rating	Notation	Rating	Notation	Rating	Notation	Rating
IC 1	MSA428GS	C 3	0.1uF 50V	VR 6	10KΩ 3 contact	R 8	20KΩ	R 24	36KΩ
IC 2	MSM5224GS	C 4	0.1uF 50V	VR 7	10KΩ 2 contact	R 9	47KΩ	R 25	5.6KΩ
IC 3	2902	C 5	0.1uF 50V	VR 8	10KΩ 3 contact	R 10	47KΩ	R 26	36KΩ
IC 4	S-8123OAG	C 6	0.1uF 6.3V	D 1	MA522-Q	R 11	47KΩ	R 27	100KΩ
Q 1	2SA1179 ▲ RN 2408	C 7	1000PF 50V	QZ	32.768KHz	R 12	47KΩ	R 29	43KΩ
Q 2	2SA1179 RN 2409	C 8	0.47uF 6.3V	SPD 1	BC100C	R 13	5.1KΩ	R 30	20KΩ
Q 3	2SA1179	C 9	0.47uF 6.3V	SPD 2	BC100C	R 14	20KΩ	R 31	8.2KΩ
Q 4	2SA1179	C 10	33uF 6.3V	SPD 3	BC100C	R 15	20KΩ	R 32	8.2KΩ
Q 5	2SC2812	C 11	30PF	R 1	200Ω	R 16	5.1KΩ	R 33	7.5KΩ
Q 6	2SC2812	C 12	30PF	R 2	200Ω	R 17	20KΩ	R 34	7.5KΩ
Q 7	2SC2812	VR 1	2.2KΩ 2 contact	R 3	200Ω	R 18	20KΩ	R 35	200KΩ
Q 8	2SC2812	VR 2	2.2KΩ 2 contact	R 4	200Ω	R 19	20KΩ ±2%	R 36	15KΩ
Q 9	2SC2812	VR 3	4.7KΩ 3 contact	R 5	200Ω	R 20	2.7KΩ ±5%	D2/D3/D4/D5	MA 223
C 1	30PF 50V	VR 4	10KΩ 2 contact	R 6	200Ω	R 21	3.3KΩ ±5%	R 37	10kΩ
C 2	30PF 50V	VR 5	33KΩ 3 contact	R 7	1KΩ	R 22	3.3KΩ	C 13	0.1uF



Remarks

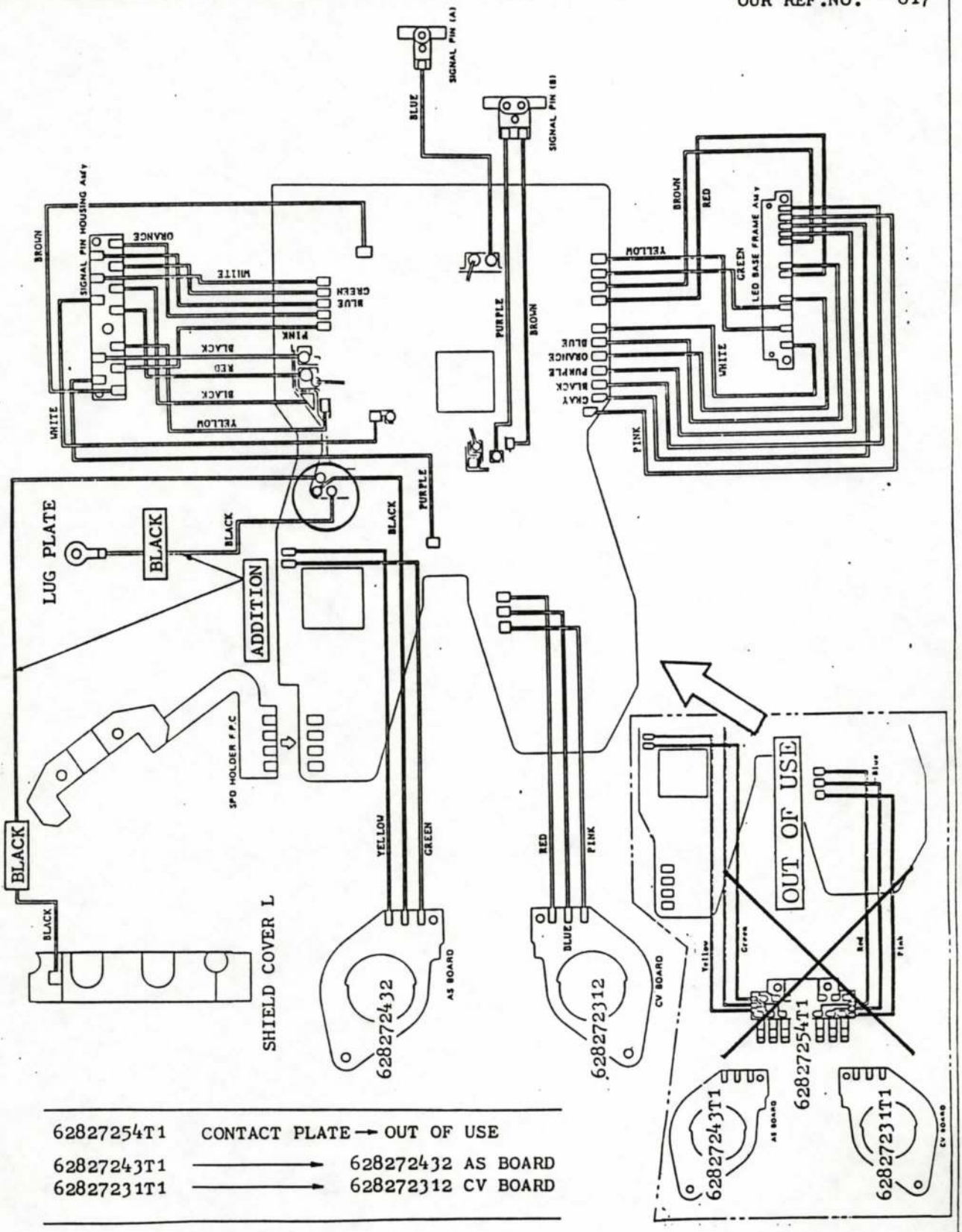
Notation	Rating	Notation	Rating	Notation	Rating	Notation	Rating	Notation	Rating
IC 1	MSA428GS	C 3	0.1uF 50V	VR 6	10KΩ 3 contact	R 8	20KΩ	R 24	36KΩ
IC 2	MSM5224GS	C 4	0.1uF 50V	VR 7	10KΩ 2 contact	R 9	47KΩ	R 25	5.6KΩ
IC 3	2902	C 5	0.1uF 50V	VR 8	10KΩ 3 contact	R 10	47KΩ	R 26	36KΩ
IC 4	S-81230AG	C 6	0.1uF 6.3V	D 1	MA522-Q	R 11	47KΩ	R 27	100KΩ
Q 1	2SA1179 ▲ RN 2408	C 7	1000PF 50V	QZ	32.768KHZ	R 12	47KΩ	R 29	43KΩ
Q 2	2SA1179 RN 2409	C 8	0.47uF 6.3V	SPD 1	BC100C	R 13	5.1KΩ	R 30	20KΩ
Q 3	2SA1179	C 9	0.47uF 6.3V	SPD 2	BC100C	R 14	20KΩ	R 31	8.2KΩ
Q 4	2SA1179	C 10	33uF 6.3V	SPD 3	BC100C	R 15	20KΩ	R 32	8.2KΩ
Q 5	2SC2812	C 11	30PF	R 1	200Ω	R 16	5.1KΩ	R 33	7.5KΩ
Q 6	2SC2812	C 12	30PF	R 2	200Ω	R 17	20KΩ	R 34	7.5KΩ
Q 7	2SC2812	VR 1	2.2KΩ 2 contact	R 3	200Ω	R 18	20KΩ	R 35	200KΩ
Q 8	2SC2812	VR 2	2.2KΩ 2 contact	R 4	200Ω	R 19	20KΩ ±2%	R 36	15KΩ
Q 9	2SC2812	VR 3	4.7KΩ 3 contact	R 5	200Ω	R 20	2.7KΩ	D2/D3/D4/D5	MA 223
C 1	30PF 50V	VR 4	10KΩ 2 contact	R 6	200Ω	R 21	3.3KΩ ±5%	R 37	10kΩ
C 2	30PF 50V	VR 5	33KΩ 3 contact	R 7	1KΩ	R 22	3.3KΩ	C 13	0.1uF



Remarks

NEW WIRING DIAGRAM | 1/1 | 123 | 1

OUR REF.NO. 017



62827254T1	CONTACT PLATE → OUT OF USE
62827243T1	→ 628272432 AS BOARD
62827231T1	→ 628272312 CV BOARD

Remarks